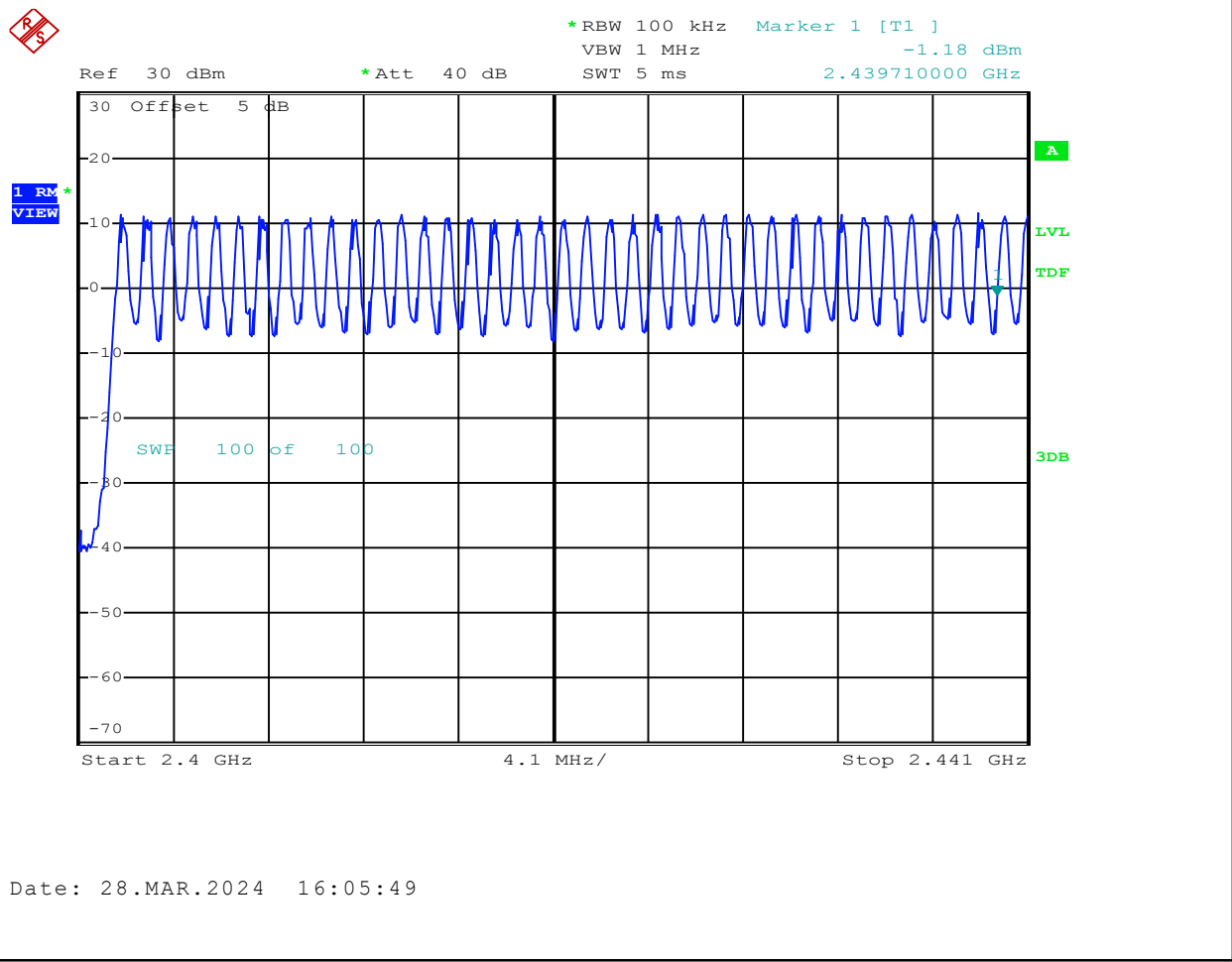


Number of Hopping Channels				
Start Frequency (MHz)	Channel Frequency (MHz)	Mode	Modulation	Number of Channels
2400	2441.0	BT BR	GFSK	40
2441	2485.0			39
Total [N _{Chan}]				79
2400	2441.0	BT 2EDR	Pi/4-DQPSK	40
2441	2485.0			39
Total [N _{Chan}]				79

Number of Hopping Channels	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
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72	72
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74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100



Date: 28.MAR.2024 16:05:49

Start Freq: MHz

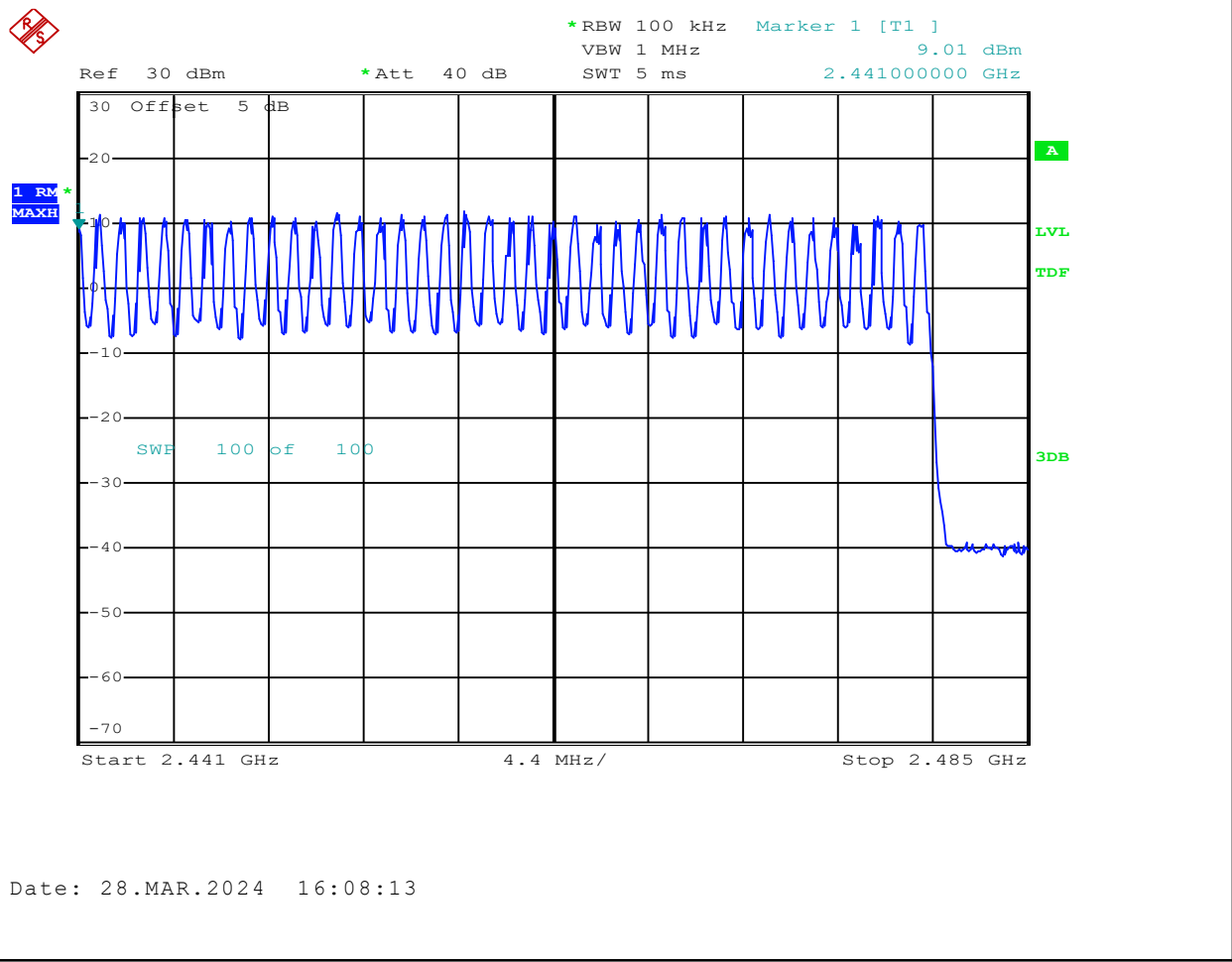
Mode: BT BR

Stop Freq: MHz

Modulation: **GFSK**

Number of Channels: 40 kHz

Number of Hopping Channels	
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Date: 28.MAR.2024 16:08:13

Start Freq: MHz

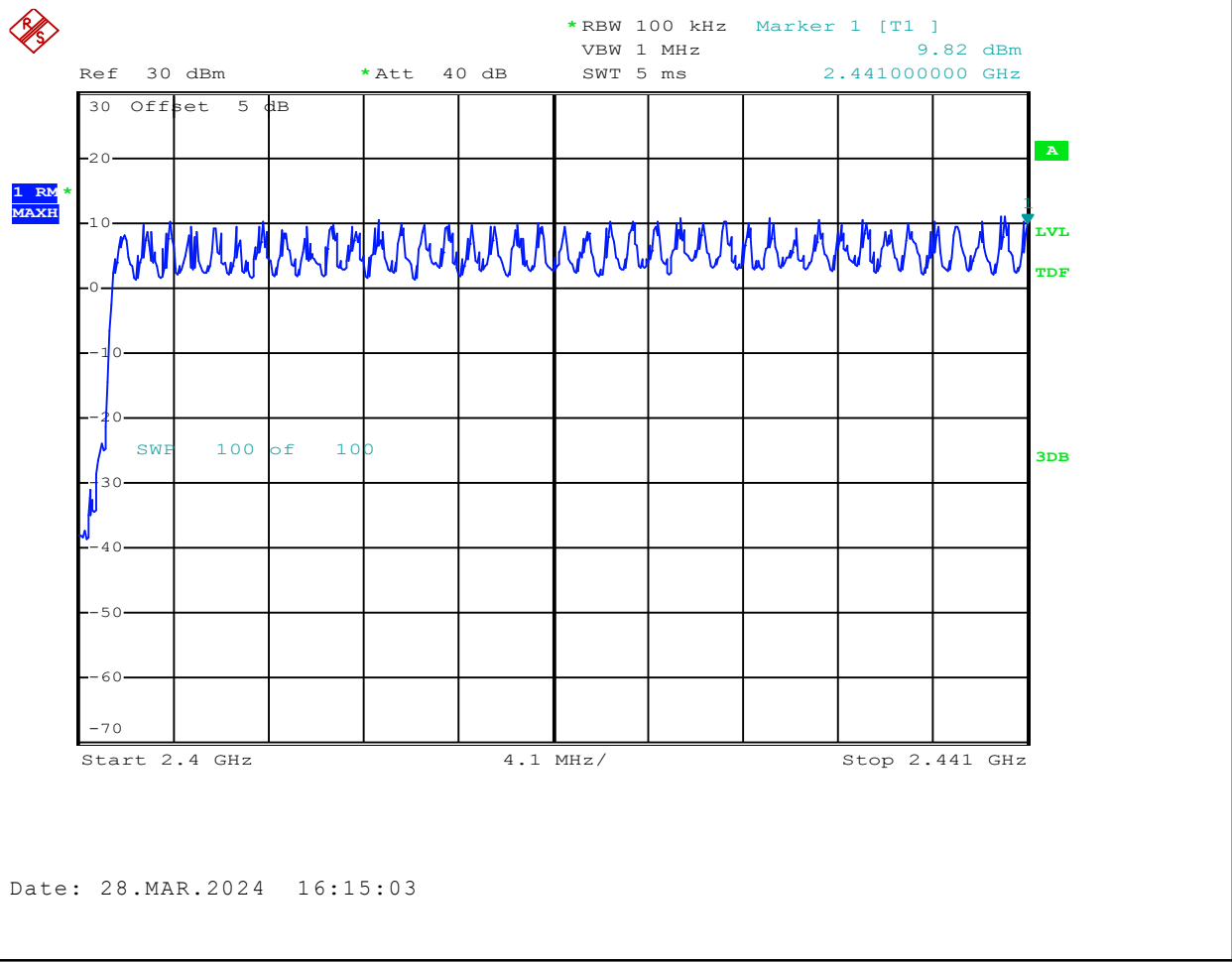
Mode: BT BR

Stop Freq: MHz

Modulation: **GFSK**

Number of Channels: 39 kHz

Number of Hopping Channels	
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Date: 28.MAR.2024 16:15:03

Start Freq: MHz

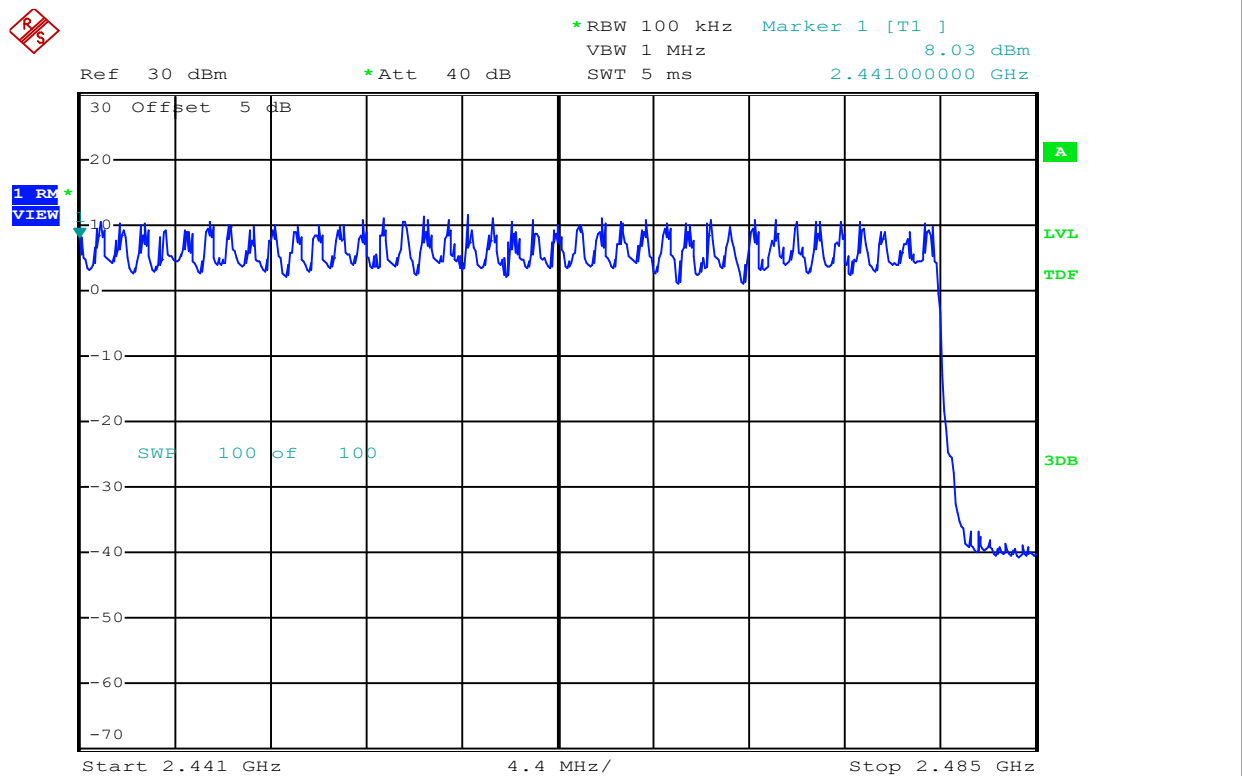
Mode: BT 2EDR

Stop Freq: MHz

Modulation: **Pi/4-DQPSK**

Number of Channels: kHz

Number of Hopping Channels	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
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80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100



Date: 28.MAR.2024 16:12:04

Start Freq: MHz

Mode: BT BR

Stop Freq: MHz

Modulation: **Pi/4-DQPSK**

Number of Channels: 39 kHz

Hopping Channel Separation

Mode	Modulation	20dB Bandwidth (MHz)	Channel Separation (MHz)	Minimum Separation (MHz)	Margin (MHz)
BT BR	GFSK	1.008	1.000	0.672	0.328
BT 2EDR	PI/4-DQPSK	0.996	1.000	0.664	0.336
BT 3EDR	8-DPSK	1.380	1.000	0.920	0.080
Result:					Complies

Minimum Bandwidth = 20dB BW X 2/3

Margin = Channel Separation - 20dB Bandwidth

FHSS 20dB BW



Channel: 38

Mode: BT BR

Frequency: 2440 MHz

Modulation: GFSK

Measured 20dB BW: 0.92 MHz

FHSS 20dB BW



Channel: 38

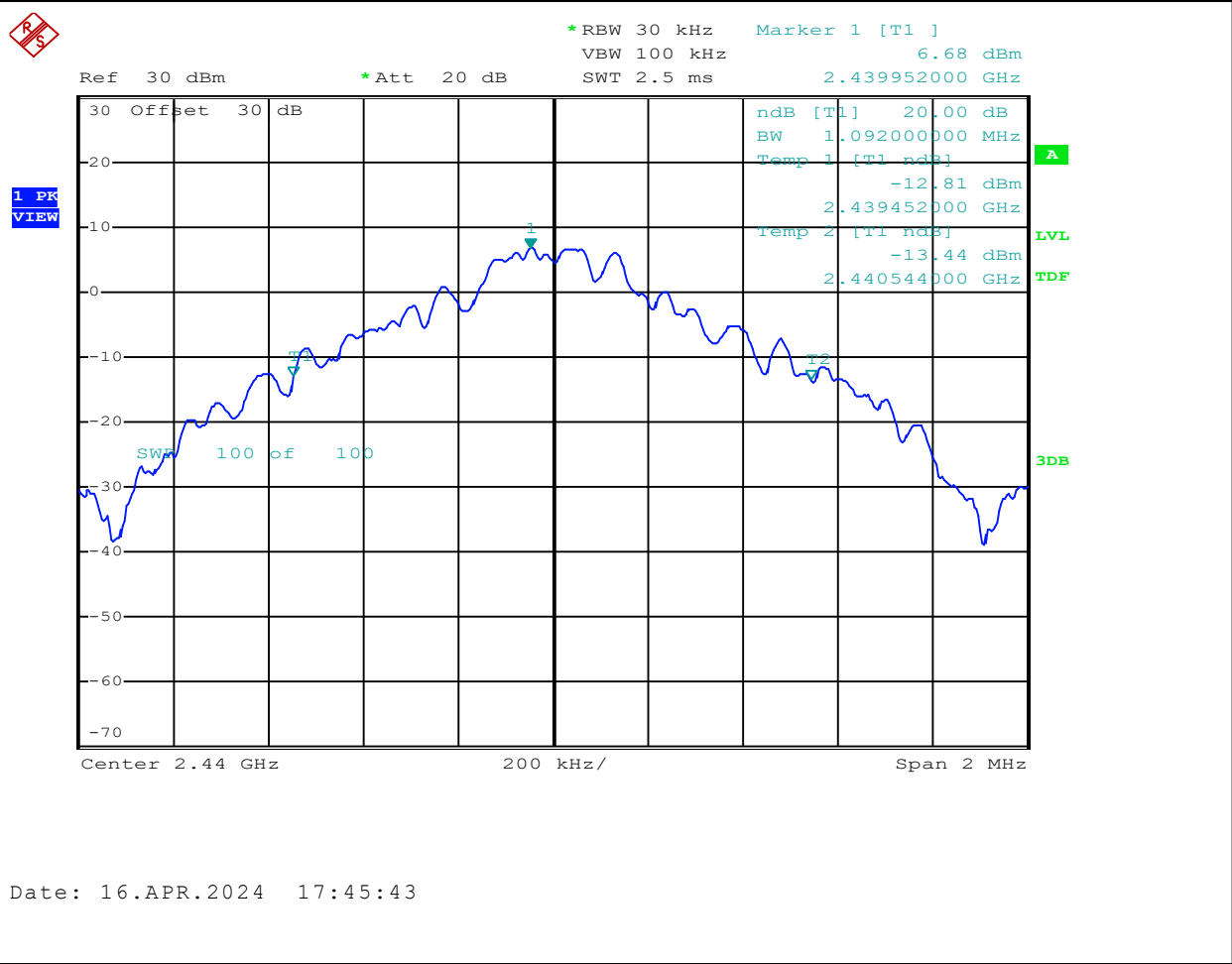
Mode: BT 2EDR

Frequency: 2440 MHz

Modulation: Pi/4-DQPSK

Measured 20dB BW: 1.096 MHz

FHSS 20dB BW



Channel: 38

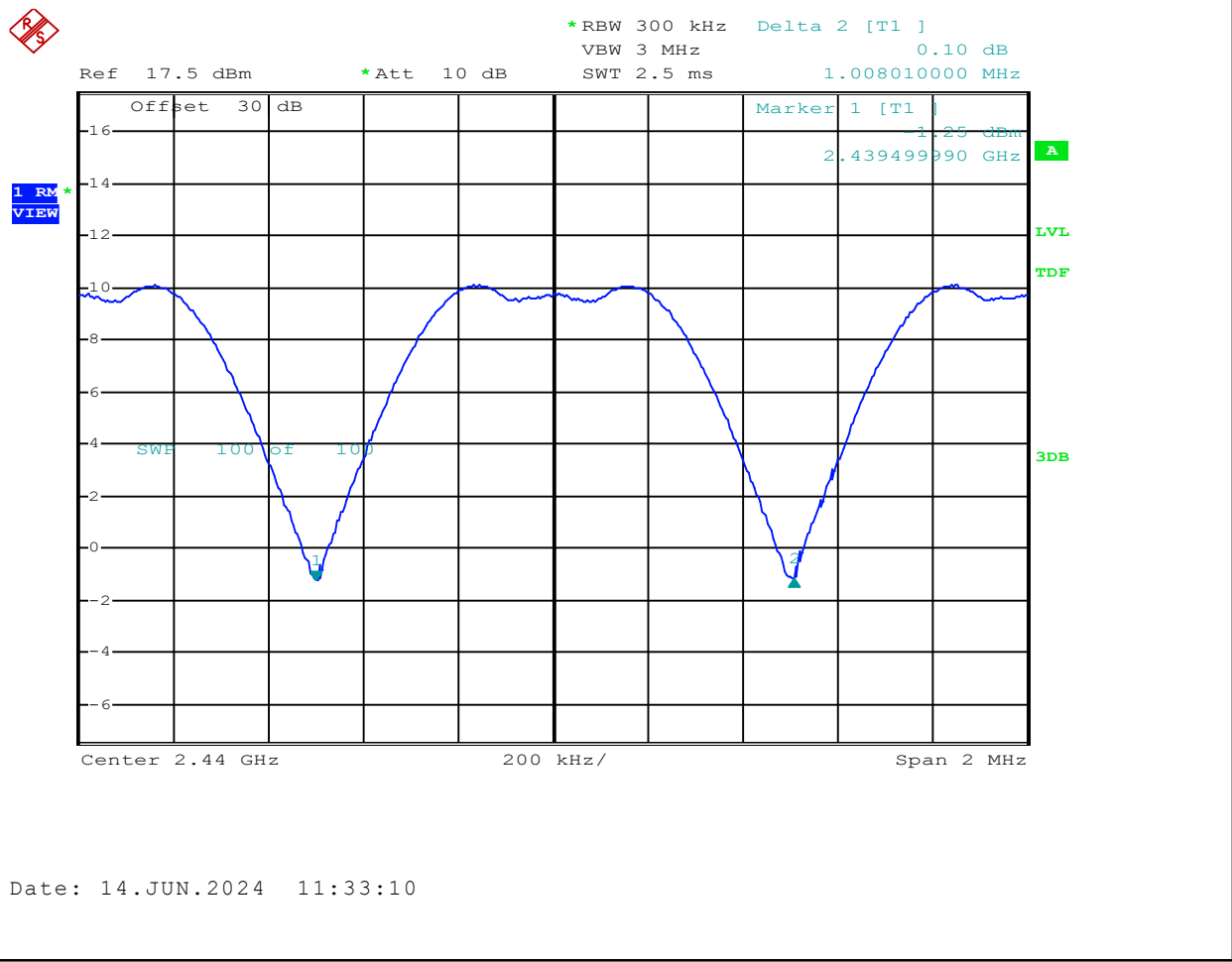
Mode: BT 3EDR

Frequency: 2440 MHz

Modulation: 8-DPSK

Measured 20dB BW: 1.092 MHz

FHSS Channel Separation



Date: 14.JUN.2024 11:33:10

Channel: -

Mode:	BT BR
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Frequency: - MHz

Modulation:	GFSK
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Measured Channel Separation: 1.008 MHz

Ref 17.5 dBm

*Att 10 dB

SWT 2.5 ms

996.010000000 kHz



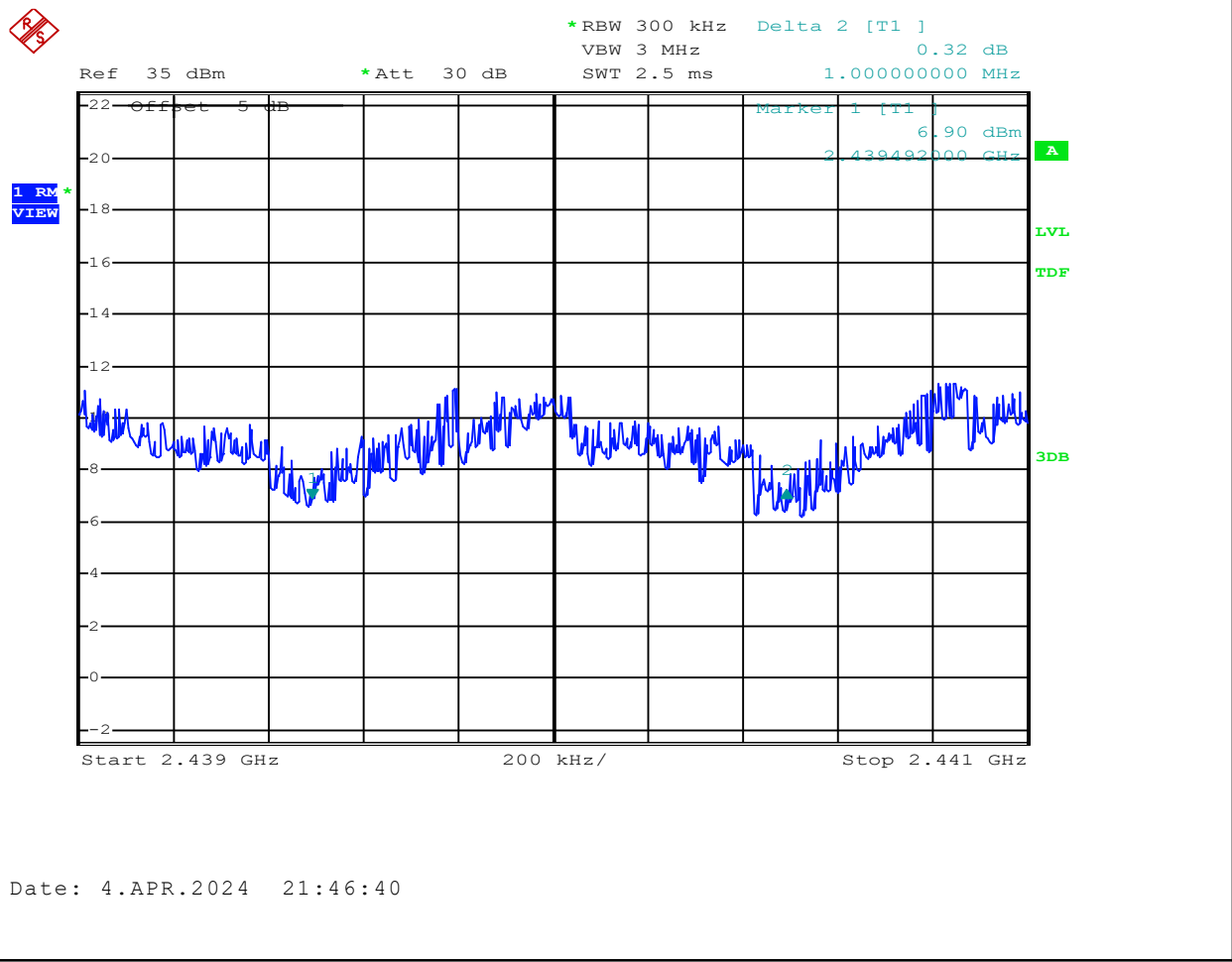
Channel: -

Mode: BT 2EDR

Frequency: - MHzModulation: **Pi/4-DQPSK**

Measured Channel Separation: 0.996 MHz

FHSS Channel Separation



Date: 4.APR.2024 21:46:40

Channel: -

Mode: BT 3EDR

Frequency: - MHz

Modulation: 8-DPSK

Measured Channel Separation: 1.004 MHz

Accumulated Time of Occupancy DSS

Channel Frequency (MHz)	Packet	Channel On Time (Dwell) [t _{Dwell}] (mSec)	Meas Period [t _{Meas}] (mSec)	Number of Tx per Period [N _{Tx}]	Number of Channels Employed [N _{Chan}]	Maximum TOO Per Channel [t _{Max}] (mSec)	Maximum TOO Period [t _{Period}] (mSec)	Accumulated Time of Occupancy [t _{Occ}] (mSec)	Limit [Limit] (mSec)	Margin (mSec)
2440.00	DH1, ...	0.386	1000	11	79	400.0	31600	134.2	400	265.8
	DH3, ...	1.628		7				360.1		39.9
	DH5, ...	2.890		3				274.0		126.0
Result:										Complies

TOO = Time of Occupancy

Number of Channels Employed [N_{Chan}]: See Table 11.1

Maximum TOO Period [t_{Period}] = Number of Channels [N_{Chan}] X 0.4Sec, as per §15.247, RSS-247

Accumulated Time of Occupancy [t_{Occ}] =
$$\frac{(\text{Number of Tx per Period [N}_{Tx}] \times \text{Dwell Time [t}_{Dwell}] \times \text{Maximum TOO Period [t}_{Period}])}{\text{Measurement Period [t}_{Meas}]}$$

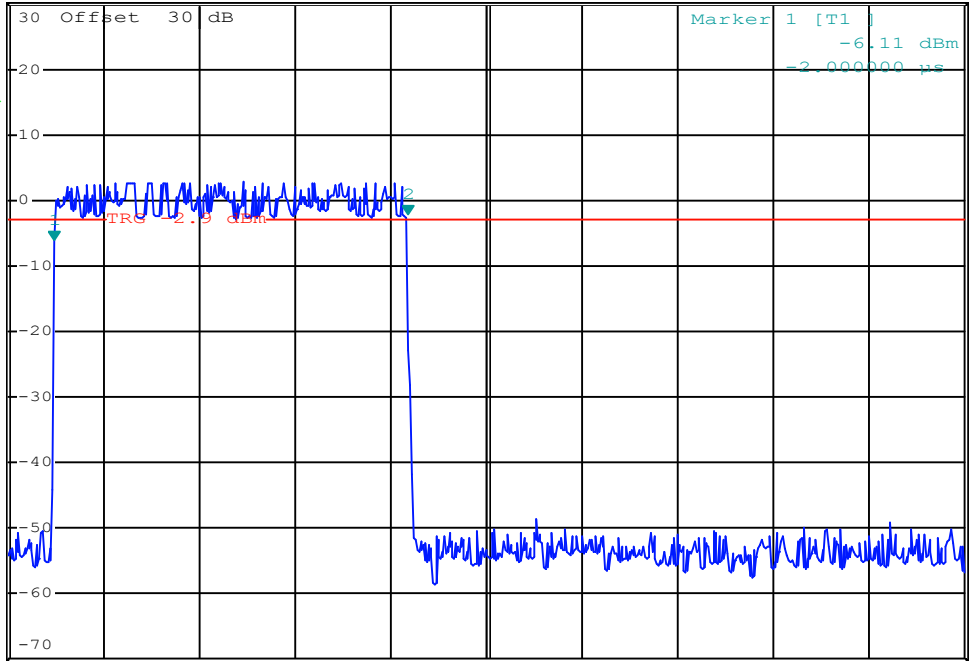
Margin = Limit [Limit] - Accumulated Time of Occupancy [t_{Occ}]

Dwell Time



Ref 30 dBm *Att 10 dB RBW 1 MHz Marker 2 [T1] -2.03 dBm 368.000000 μ s
VBW 10 MHz
SWT 1 ms

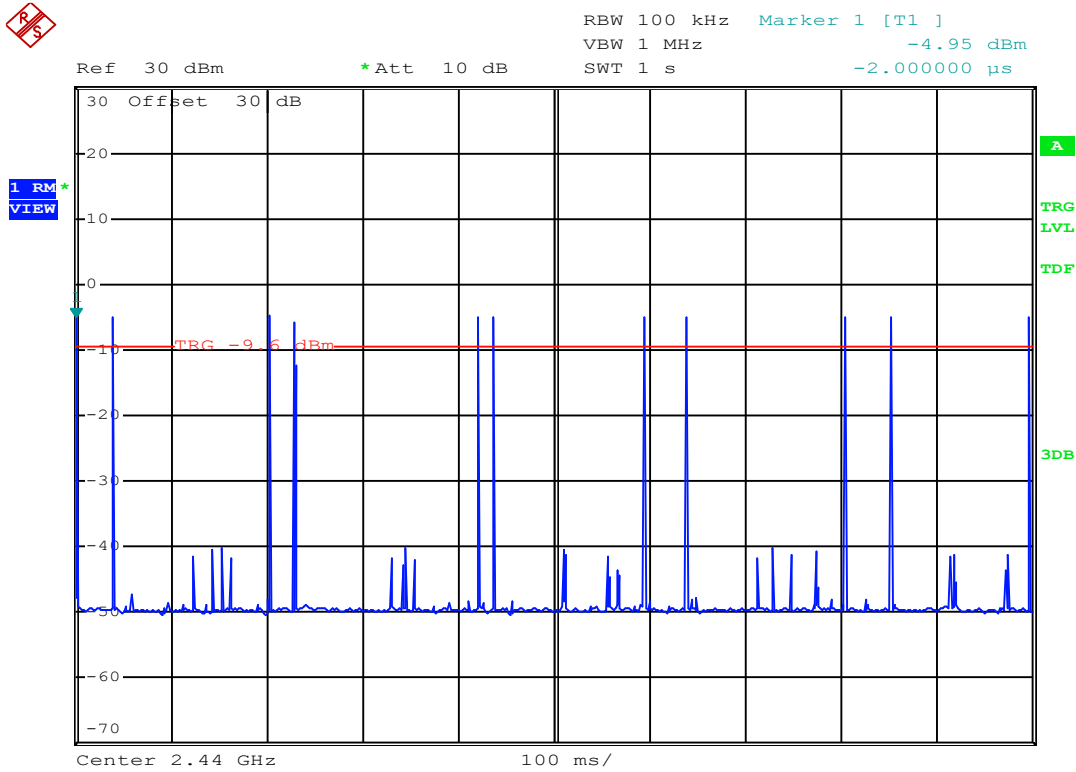
1 RM*
VIEW



Date: 14.JUN.2024 10:08:14

Packet: **DH1, DM1, 2-DH1, 3-DH1** Measured Dwell Time: **0.386** mSec

Number of Transmits	
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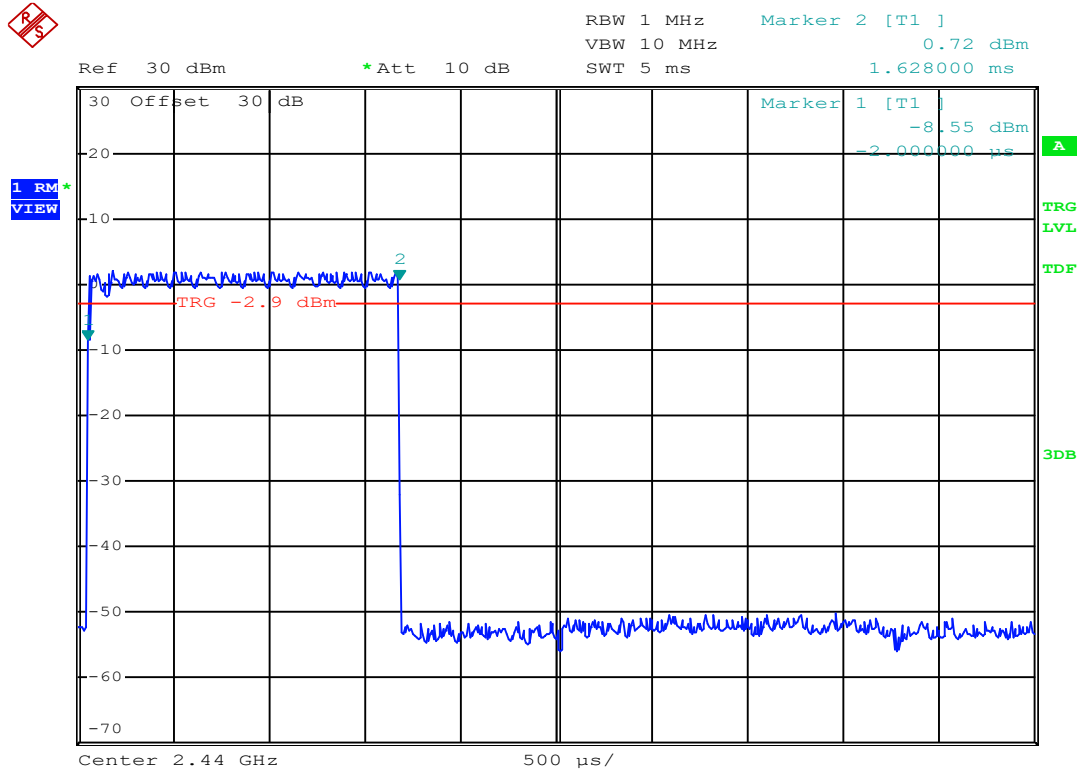
Date: 14.JUN.2024 10:14:43

Packet:	DH1, DM1, 2-DH1, 3-DH1
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Transmit Count: 11 /1000 mSec

Measurement Period: mSec

Dwell Time

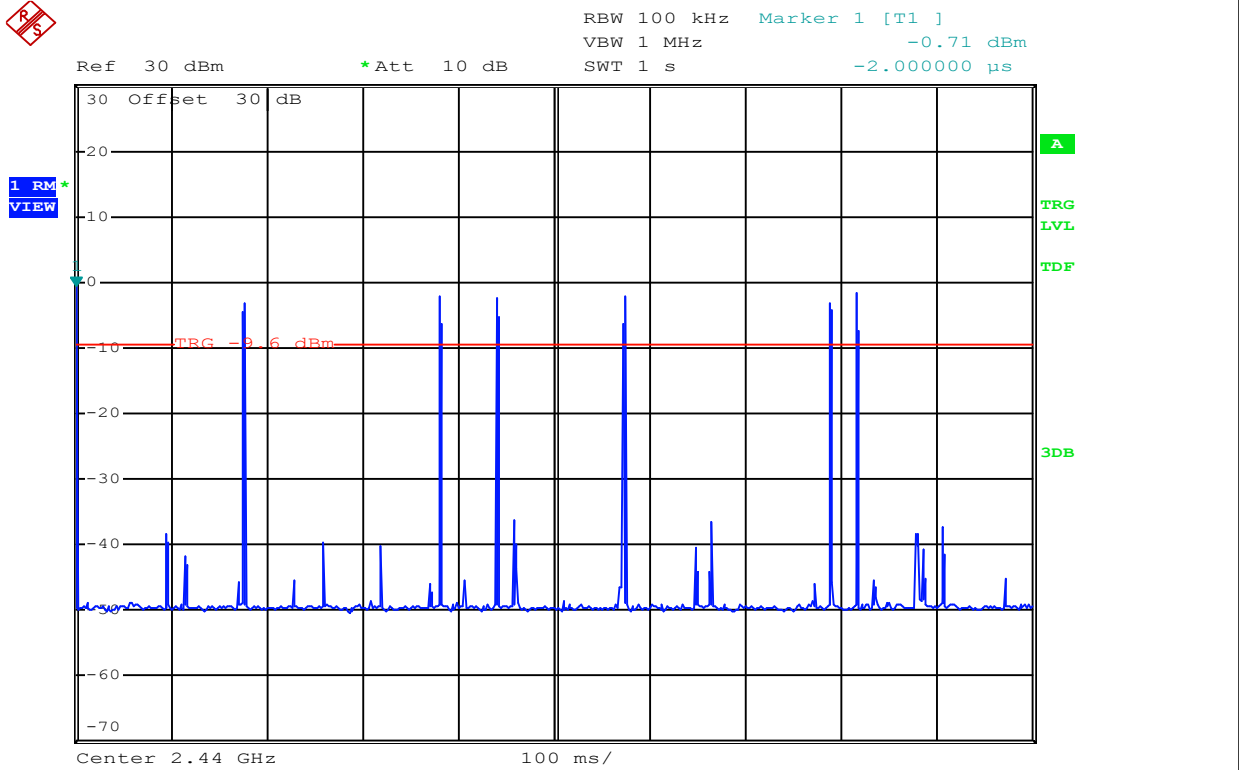


Date: 14.JUN.2024 10:09:48

Packet:	DH3, DM3, 2-DH3, 3-DH3
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Measured Dwell Time: 1.628 mSec

Number of Transmits	
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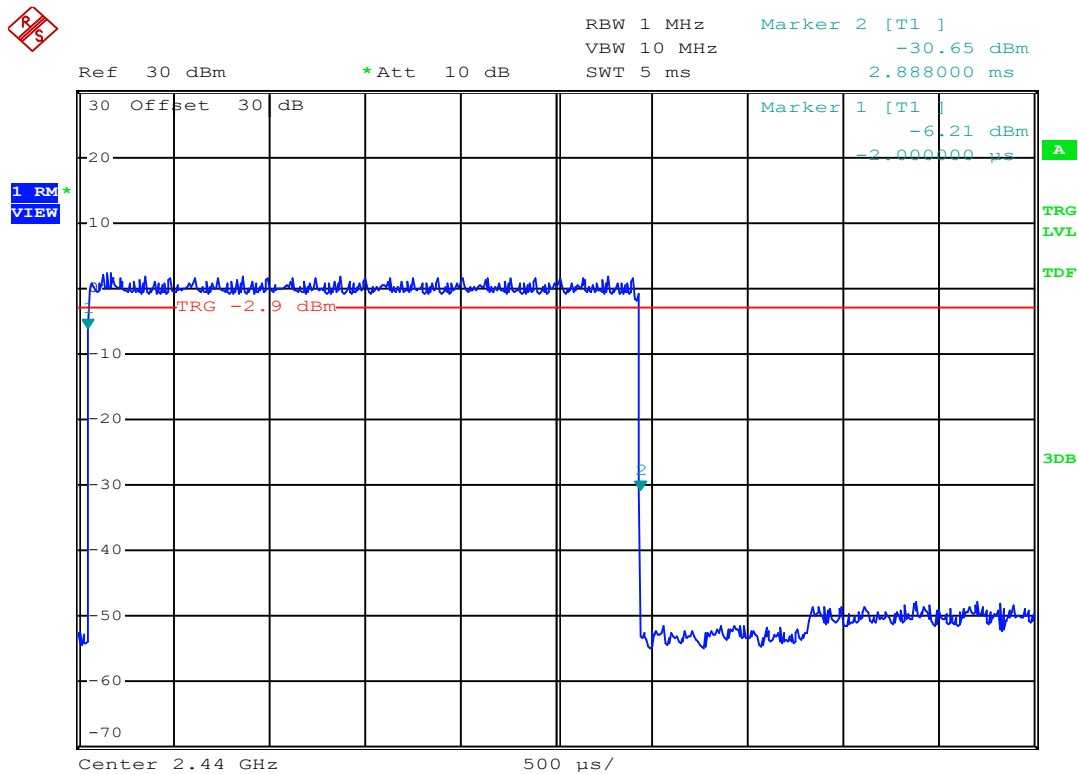
Date: 14.JUN.2024 10:15:31

Packet:	DH3, DM3, 2-DH3, 3-DH3
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Transmit Count:	7	/1000 mSec
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Measurement Period: mSec

Dwell Time

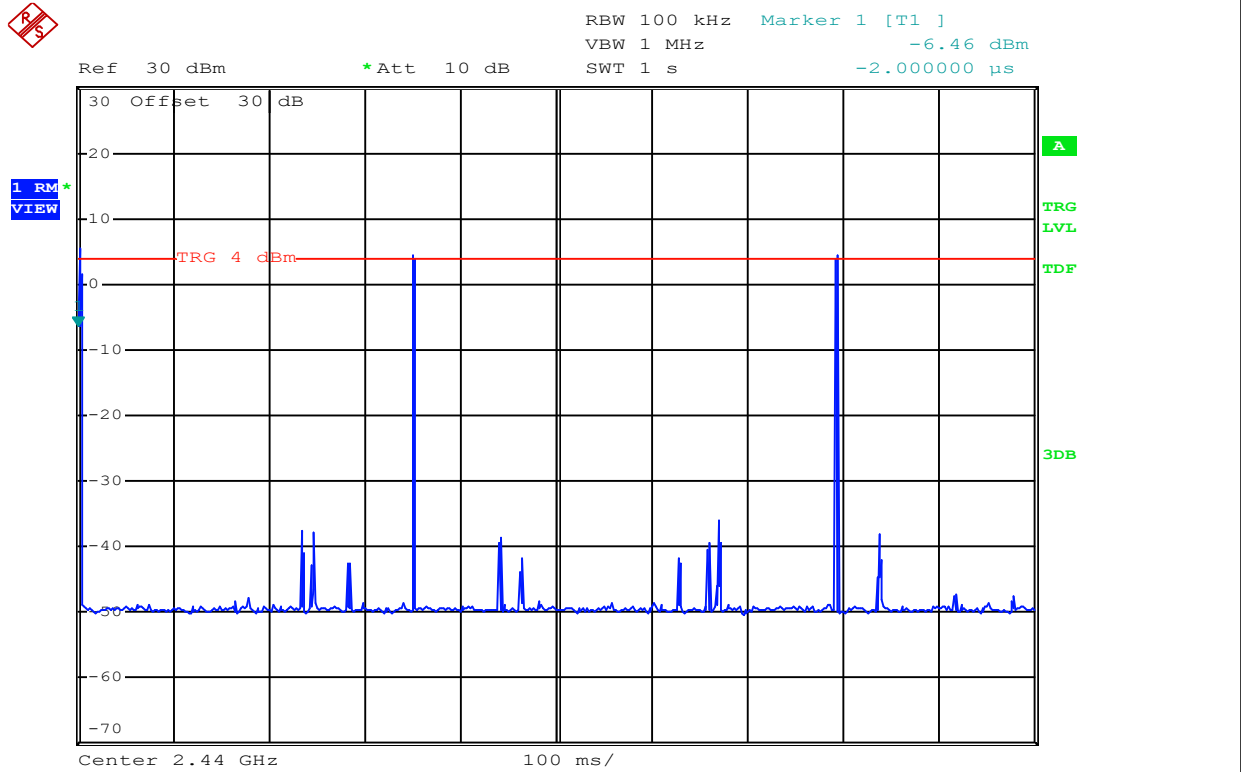


Date: 14.JUN.2024 10:10:56

Packet: **DH5, DM5, 2-DH5, 3-DH5**

Measured Dwell Time: **2.89** mSec

Number of Transmits	
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Date: 14.JUN.2024 10:12:47

Packet:	DH5, DM5, 2-DH5, 3-DH5
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Transmit Count:	3	/1000 mSec
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Measurement Period:	1000	mSec
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